

What is claimed is:

1. An electromagnetic sound producing device comprising:

a case;

5 a yoke, a coil, a permanent magnet, and a diaphragm  
provided in the case:

the permanent magnet being made of Sm<sub>2</sub>Fe<sub>17</sub>N-base isotropy plastic magnetic material.

10 permanent magnet has a cylindrical shape.

3. The device according to claim 1 the yoke has a center pole and is mounted on a base of the case, the coil has a cylindrical shape and is mounted on the yoke, surrounding the center pole.

15 4. The device according to claim 2 wherein the diaphragm is mounted on the permanent magnet.